

ABSTRACT

A process for purifying an aqueous acrolein solution to obtain purified gaseous acrolein by introducing the aqueous acrolein solution into a distillation column equipped at its base with at least one boiler and at its top with at least one condenser, withdrawing a liquid mixture essentially ~~comprising~~ containing water at the base of the distillation column, withdrawing a gas mixture essentially ~~comprising~~ containing acrolein and water at the top of the distillation column, cooling the gas mixture withdrawn at the top of the distillation column in the condenser, to a temperature which makes it possible to obtain, on the one hand, an aqueous condensate and, on the other hand, an acrolein-rich gas mixture, and withdrawing the acrolein-rich gas mixture.